### **PATENT COOPERATION TREATY**

From the INTERNATIONAL SEARCHING AUTHORITY						
To:	·				PCT	
	see form	PCT/ISA/220		WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY		
				(F	PCT Rule 43 <i>bis</i> .1	)
				Date of mailing		
				(day/month/year) see	e form PCT/ISA/210 (seco	nd sheet)
	s or agent's file 1 PCT/ISA/2			FOR FURTHER ACTION See paragraph 2 below		
	nal application 2005/00010		International filing date (d	day/month/year)	Priority date (day/month	lyear)
International Patent Classification (IPC) or both national classification and IPC B29D11/00, G02B1/04						13.11.205 5.22 me.
Applicant						*** Yes ****
POLYM	ER SCIENC	CES LIMITED	187 - 614 - annoquement (annoquement (annoquement (annoquement (annoquement (annoquement (annoquement (annoque			
1. This	e opinion oc	antaina Indiaati				- All All All All All All All All All Al
	Box No. I		ons relating to the follo	owing items:		i
_	Box No. II	Basis of the op Priority	inion			T q q q
	Box No. !!!	•	nent of aninion with room	rd to move the investigation		11 . 1 (0)
	Box No. IV	Lack of unity of	nent of opinion with rega Finvention	io to noveity, inventive	e step and industrial ap	plicability
Box No. V  Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement						or industrial
· □ E	Box No. VI	Certain docum		1,1		!
	Box No. VII	Certain defects	in the international appl	lication		
Box No. VIII Certain observations on the international application						
1	THER ACTI					
If a demand for international preliminary examination is made, this opinion will usually be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA"). However, this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notifed the International Bureau under Rule 66.1 bis(b) that written opinions of this International Searching Authority will not be so considered.						
If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of three months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority day whichever expires later.						of three
For f	urther option	s, see Form PC	T/ISA/220.			
3. For fi						
						1
Name and n	nailing address	s of the ISA:		Authorized Officer		nes Peigor.
<u>all</u>	European P	atent Office - P.B.	5818 Patentlaan 2			Me E
<u></u>	NL-2280 H\	/ Rijswijk - Pays B 340 - 2040 Tx: 31	as	Roberts, P		<b>!</b> !!!!!
	Fax: +31 70	340 - 3016	: -F= ·//	Telephone No. +31 70 3	40-2305	Control of the sales

# WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/GB2005/000107

_	F	Box I	No. I Basis of the oninion			
-			The opinion			
1	1 With regard to the <b>language</b> , this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.					
		le	this opinion has been established on the basis of a translation from the original language into the following inguage , which is the language of a translation furnished for the purposes of international search under Rules 12.3 and 23.1(b)).			
2	<ol><li>With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:</li></ol>					
	а	. type	e of material:			
			a sequence listing			
			table(s) related to the sequence listing			
	b.	form	nat of material:			
			in written format			
			in computer readable form			
	c.	time	of filing/furnishing:			
			contained in the international application as filed.			
			filed together with the international application in computer readable form.			
			furnished subsequently to this Authority for the purposes of search.			
3.		cor	addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto s been filed or furnished, the required statements that the information in the subsequent or additional pies is identical to that in the application as filed or does not go beyond the application as filed, as propriate, were furnished.			
4.	Ade	dition	oal comments:			

# WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/GB2005/000107

Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability					
Thok	The questions whether the claimed invention appears to be novel, to involve an inventive step (to be non obvious), or to be industrially applicable have not been examined in respect of:				
$\boxtimes$	l claims Nos. 6-8, 17, 18, 27, 35, 36, 42, 43				
be	because:				
	the said international application, or the said claims Nos. relate to the following subject matter which does not require an international preliminary examination (specify):				
	the description, claims or drawings (indicate particular elements below) or said claims Nos. are so unclear that no meaningful opinion could be formed (specify):				
	the claims, or said claims Nos. are so inadequately supported by the description that no meaningful opinion could be formed.				
Ø	no international search report has been established for the whole application or for said claims Nos. 6-8, 17, 18, 27, 35, 36, 42, 43				
	the nucleotide and/or amino acid sequence listing does not comply with the standard provided for in Annex C of the Administrative Instructions in that:				
	the written form		has not been furnished		
			does not comply with the standard		
	the computer readable form		has not been furnished		
			does not comply with the standard		
	the tables related to the nucleot not comply with the technical re-	he tables related to the nucleotide and/or amino acid sequence listing, if in computer readable form only, do not comply with the technical requirements provided for in Annex C-bis of the Administrative Instructions.			
	See separate sheet for further details				

	Box	x No. IV	Lack of unity of	inventio	1		
1.	$\boxtimes$						
			paid additional fees	<b>i</b> ,			
			paid additional fees	under pr	otest.		
		$\boxtimes$	not paid additional	fees.			
2.			uthority found that th olicant to pay additio		ment of un	ity of invention is not complied with and chose not to invite	
3. This Authority considers that the requirement of unity of invention in accordance with Rule 13.1, 13.2 and 13							
		complied	d with				
	× 1						
see separate sheet							
4.	Cor	nsequen	tly, this report has b	een estat	olished in re	espect of the following parts of the international application:	
□ all parts.							
		the parts relating to claims Nos. 12,40,41					
			, , , , , , , , , , , , , , , , , , ,		,		
		c No. V ustrial a	Reasoned staten	nent und ons and e	er Rule 43 explanation	bis.1(a)(i) with regard to novelty, inventive step or ns supporting such statement	
1.	Stat	tement			1		
	Nov	elty (N)		Yes: No:	Claims Claims	12,40,41 1-5,9-11,13-16,19-26,28-34,37-39,44	
	Inve	entive ste	ep (IS)	Yes: No:	Claims Claims	12,40,41 1-5,9-11,13-16,19-26,28-34,37-39,44	
	Indu	ustrial ap	pplicability (IA)	Yes: No:	Claims Claims	1-44	

2. Citations and explanations

see separate sheet

### WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/GB2005/000107

Box No. VII Certain defects in the international application

The following defects in the form or contents of the international application have been noted:

see separate sheet

#### Re Item IV.

The separate inventions/groups of inventions are:

1-5,9-16,19-26,28-34,37-39,40,41,44 Method of producing contact lenses using a laser cutting device 6-8,17,18,27,42,43 Method of producing contact lenses using high energy 35,36

Apparatus for producing contact lenses using male and female inserts

They are not so linked as to form a single general inventive concept (Rule 13.1 PCT) for the following reasons:

The application concerns methods and an apparatus for manufacturing contact lenses.

The reasons for which the present application has been deemed to contain 3 inventions which are not linked such that they form a single general inventive concept, as required by Rules 13.1, 13.2 and 13.3, PCT are as follows:

The prior art has been identified as: GB2119957, which concerns a manufacturing of contact lenses, which discloses:

providing a substantially dry material (see page 4 line 63 "substantially non-cross linked"), forming a blanks (page 4 line 65 to page 5 line 3) hydrating said blanks (see page 5 line 6 ""aqueous solution").

or alternatively see example 1.

D1 also discloses crosslinking as in step c of claim 27 and the features of claim 30 which are directly implied by example 1 and also inherent to the method of claim 1.

Also claims 28 and 44 are claim to contact lenses per se which are well known

Hence claims 1-5,9-16,19-26,28-34,37-39,40,41,44 are not novel or are directly obvious to a skilled man.

Invention I:

From which analysis follows that the following technical features can be seen to make a contribution over this prior art (Special Technical Features (STF), (Rule 13.2 PCT)):

claims 12,40,41:removing the lens blanks from the sheet using laser cutting

From these STF the objective problem to be solved by the 1st invention can be construed as:

to provide a method of removing lens blanks which is an alternative to that in the prior art

Invention II

From a comparison of the disclosure of this prior art and the technical features the following features can be seen to make a contribution over this prior art (Special Technical Features (STF), (Rule 13.2 PCT)):

claims 6-8,2742,43: applying high energy to the shaped blanks

From these, the objective problem to be solved can be construed as:

to provide a means of crosslinking which is an alternative to that in the prior art.

Invention III:

From a comparison of the disclosure of this prior art and the technical features the following features can be seen to make a contribution over this prior art (Special Technical Features (STF), (Rule 13.2 PCT)):

claims 35,36: platens are removably connectable with a plurality of inserts

From these, the objective problem to be solved can be construed as:

to provide an apparatus which is an alternative to that of the prior art.

The above analysis shows that the special technical features of invention I are neither the same as nor corresponding to those of invention II, nor the same as or corresponding to those of invention III

This appears to show lack of corresponding technical effect as well. Consequently, neither the objective problem underlying the subjects of the (three) claimed inventions, nor their solutions defined by the (special) technical features allow for a relationship to be established between the said inventions, which involves a single general inventive concept.

#### Re Item V

D1: GB-A-2 119 957 (AGRIPAT AG) 23 November 1983 (1983-11-23)

D2: EP-A-0 131 227 (BAYER AG) 16 January 1985 (1985-01-16)

D3: US-A-4 786 446 (HAMMAR ET AL) 22 November 1988 (1988-11-22)

#### INDEPENDENT CLAIMS 1,28,29,44

The present application does not meet the criteria of Article 33(1) PCT, because the subject-matter of claim 1 is not new in the sense of Article 33(2) PCT. See Item IV above. Similar arguments apply to D2 and D3. Note hard contact material is dry and that cutting (machining) is also a means to apply a physical force. Also claims 28 and 44 are claims to

PCT/GB2005/000107

a contact lens per se.

DEPENDENT CLAIMS 2-5,9-11,13-16,19-26,30-34,37-39

Dependent claim 2-5,9-11,13-16,19-26,30-34,37-39 do not contain any features which, in combination with the features of any claim to which they refer, meet the requirements of the PCT in respect of novelty and/or inventive step (Article 33(2) and (3) PCT).

DEPENDENT CLAIMS 12,40,41

Document D1, which is considered to represent the most relevant state of the art is discussed above (see Item IV). The subject-matter of claim 1 is therefore novel (Article 33(2) PCT).

The problem to be solved by the present invention and solution to this problem as are also discussed in Item IV. The proposed solution enables an alternative method of cutting the lens blanks fro e.g. a sheet: this was not hinted or suggested in the prior art. Hence, claim 1 of the present application is considered as involving an inventive step (Article 33(3) PCT).

#### Re Item VII

Contrary to the requirements of Rule 5.1(a)(ii) PCT, the relevant background art disclosed in the documents D1,D2,D3 is not mentioned in the description, nor are these documents identified therein.